

Name: _____

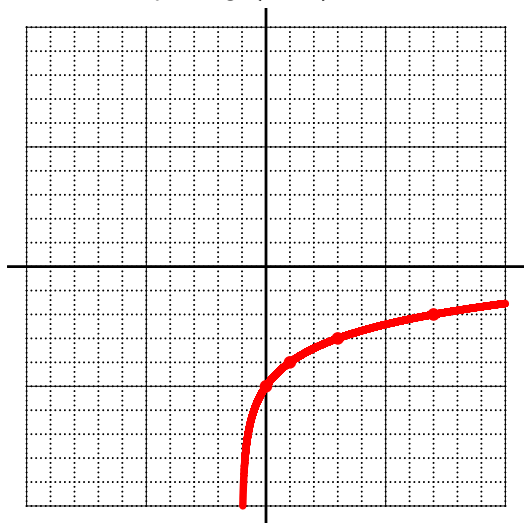
Date: _____

PCW_09_29 SOLUTION: Graph Parent Translations (version 8)

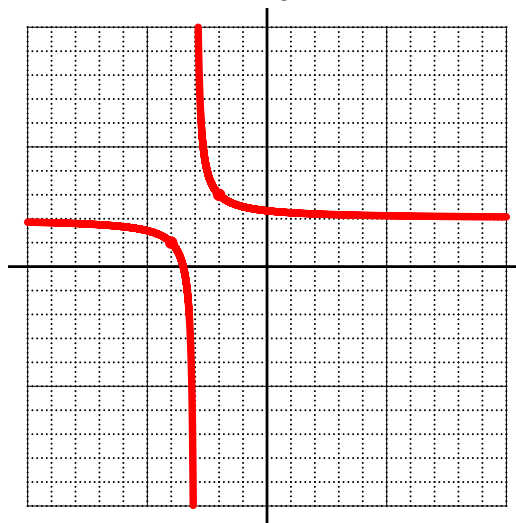
Graph each equation. Let the y axis be vertical and the x axis be horizontal. Also, let both axes be at unit scale, so each goes from -10 to 10 .

Clearly mark every solution where x and y are both integers with a small dot along the curve.

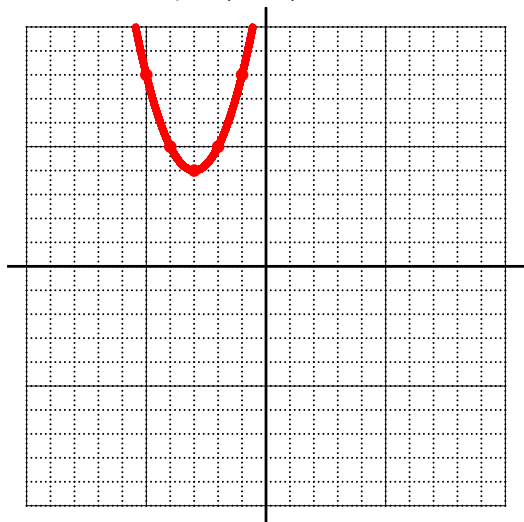
$$y = \log_2(x+1) - 5$$



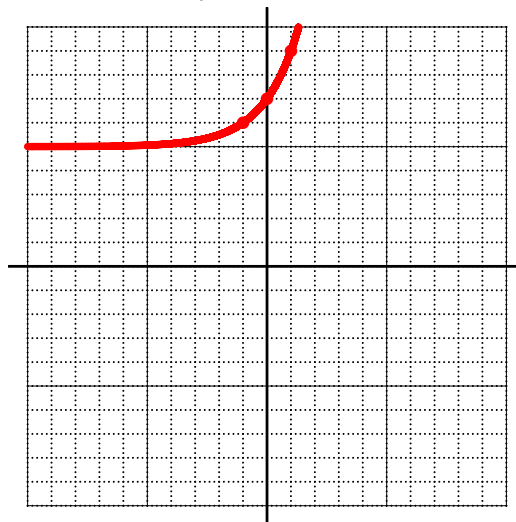
$$y = \frac{1}{x+3} + 2$$



$$y = (x+3)^2 + 4$$

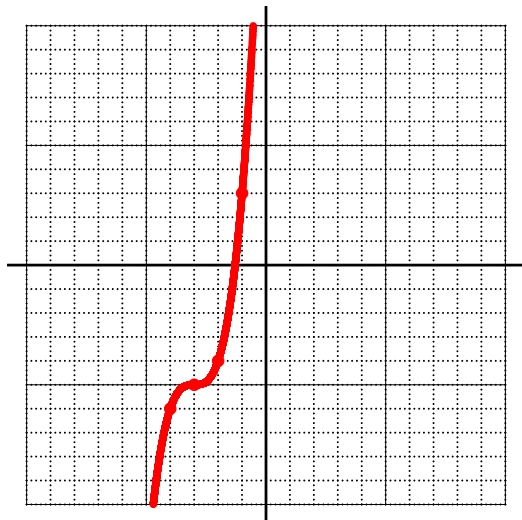


$$y = 2^{x+1} + 5$$

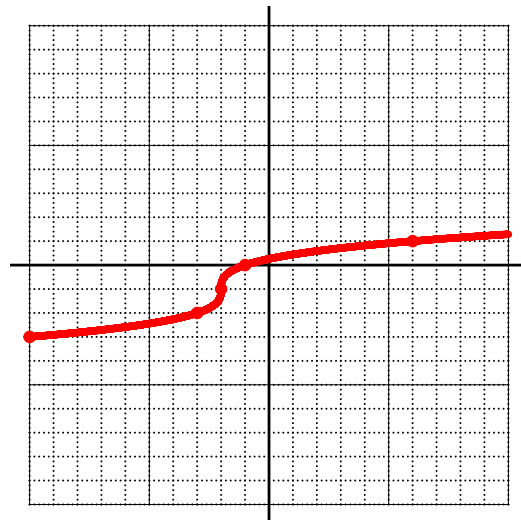


PCW_09_29 SOLUTION: Graph Parent Translations (version 8)

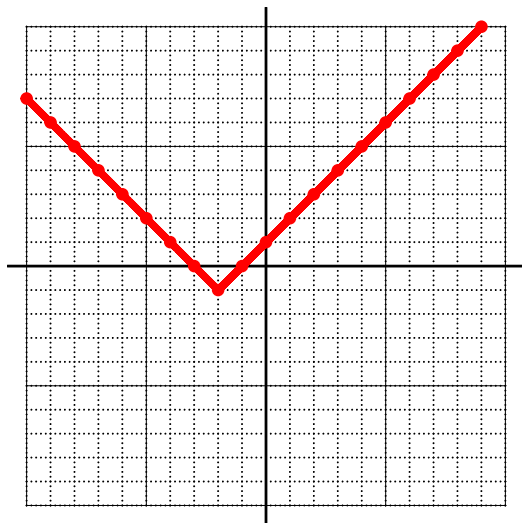
$$y = (x+3)^3 - 5$$



$$y = \sqrt[3]{x+2} - 1$$



$$y = |x+2| - 1$$



$$y = \sqrt{x+2} - 4$$

